



# Gujarat Technological University

## Centre for Industrial Design (Open Design School)

**Organizes:**

### 49<sup>th</sup> Faculty Development Program (FDP) (Level 3)

### *Design Engineering (3<sup>rd</sup> + 4<sup>th</sup> + 5<sup>th</sup> + 6<sup>th</sup> Semester)*

**Date:** 24<sup>th</sup> July to 27<sup>th</sup> July, 2018 (49<sup>th</sup> FDP – Level 3)

**Venue:** A-2 Conference hall, GTU Chandkheda Campus, Ahmedabad. **Time:** 10.00 am to 5.00 pm; Everyday

**Note:** Only for those who have attended previous advance (Level 2) FDP.

Kindly register here: <https://goo.gl/forms/RZBV5Vi3FYcTIPOD3>

**Message for Principals/ Directors/ HODs:** For every group of 30 students, in every Branch, please make sure that at least one Faculty Member participated in the FDPs at GTU.

GTU introduced courses of Design Engineering through Design Spine, during the academic year 2014-15, beginning from the 3<sup>rd</sup> semester. Design Engineering is a very unique and pioneering initiative of GTU and it is based on “**Design Thinking**” methodologies developed and used by engineers and designers all over the globe. One of the key objectives of this initiative is to infuse the methodology of Design Thinking into the mind-set of the students and the Faculty Members for enhancing problem solving skills so that it is used in the study of all the core subjects of every branch. Other core objectives include; To stimulate thought process and creativity among the students, To learn problem-solving techniques, To lessen the copy-paste in the Project work etc.

**GTU's Centre for Industrial Design – OPEN DESIGN SCHOOL** has taken up the challenge of implementing this course in all the affiliated engineering colleges of GTU. Since AY 2014-15, **Centre for Industrial Design – OPEN DESIGN SCHOOL** has organized total 48 Faculty Development Programs (FDPs) during the last four years, in which more than 3500 Faculty

Members from 139 Engineering colleges across the state, from more than 15 branches, have been trained for Design Thinking at various level.

Now during this odd semester (AY 2018-19), the Centre is bringing a new set of FDPs for Faculty Members with new hands-on exercises, presentations, examples and techniques of Design Thinking. The revised guidelines published on the website (Link: <http://goo.gl/xZ2L1S>) talk about little change in the approach for projects that students will take from 3<sup>rd</sup> to 6<sup>th</sup> semester, but the Design Thinking process would remain same.

This FDP would be the advance level (Level 3), and will cover the whole Design Thinking process with Industrial application focusing refinement in learning, suitable for all the Faculty Members who have attended level 2 FDP earlier. (Note: We are developing total 5 levels of FDPs and organizing different level FDPs for better learning and refinement. For the beginners, we will announce basic (level 1) FDP soon.)

#### Exclusive features of FDP:

- New set of learning material including PPTs, Videos, Case Studies, Examples etc.
- Hands on exercises designed exclusively for FDPs to understand Design Thinking approach
- Experts session during FDP (Physical interaction or Skype)
- Sketching & Prototyping techniques

#### Workshop Program: (Level 3 – For Refinement of Learning with Industry Expert and case studies)

The advanced level component of the workshop shall be a combination of **Design Clinic support & Inputs for Design Thinking process/tools** such as, Research, Observation, Analysis, Visualization, Knowledge Management etc., The following points shall be covered,

##### **Day 1: Design Thinking & its relevance in Industry**

- Introduction of Facilitator and participants – To build friendly environment and mind set for creativity
- **Identifying gap areas** and supporting them by process / tools - Review of prior learning by Faculty Members who have taken the training previously
- Identifying Challenge: **Ethnographic study** for observation & documentation
- **Observation & Empathy**
- Finalization of project as a **Case Study**

##### **Day 2: Project and Clinical support**

- Recap on Day 1 – An overview of day 1 to understand the Empathy and reaching on POV
- Empathize - FLD, QBD and Interactive discussions based on industrial case study
- **Empathy Mapping**
- **Problem Definition:** How to define a Design problem

**Day 3: Ideation & Product Development**

- **Ideation, tools & techniques**
- **Tools to better Learn Design Thinking**
- **Product Development** stage
- Form, Function, Features

**Day 4: Project and Clinical support**

- **Prototyping & Testing** techniques
- **Rough Prototype with presentation**
- **Case Study** – Exploring Design Thinking application
- **Conclusion**

**Expert Profile:**

***Prabhuling Zunja – Consultant Trainer***

(Manager in Production and Operations at Mahindra Vehicle Manufacturers Ltd)

My unique and uber cool but great enthusiasm and energy kind of personality for sharing what I have, made me to be a successful trainer. A day in-day out interaction with the diverse categories of people and work culture during working in operation field made me an outgoing and amiable person. Conducts training for students, business professionals and for upliftment of society. My strengths lie in personal involvement with the participants so as bring out the best in them, by conducting the program in a non-conventional way, making it a different and joyful experience for the participants. I believe in using live experiences and metaphors, real life examples and case studies along with a highly interactive session with presentation.

**Career Progression & Accomplishments:**

- Conducted classroom trainings and workshops for corporate on modules like-Design Thinking, Presentation skills, Train The Trainer, Time management, Team building & Synergy, Interpersonal skills, Business etiquettes, Stress Management and motivation, Personal Effectiveness, Customer Focus, College to Corporate, Dream building and Goal setting and many more.
- Conducted over 100+ programs and trained more than 2000+ participants.

- Align training program keeping in mind clients-vision and mission & work ethics.
- Use the latest tools and technique to ensure participants maximum retention-Story telling, activities, role-plays and facilitation etc.
- Conducted trainings for corporates to name few- Bajaj Auto Ltd, M&M etc., PCCOE, Solapur University, MIT, Pune management association, Solapur Mechanic Association etc.

**Previous work experience (2001-2018)**

- Manager in Production and operations at M/S Mahindra Vehicle Manufacturers Ltd (28 Sept. 2010 to 2018)
- Looking after E&T, L&D activities and skill development as additional responsibilities.
- Assistant manager in GM, Pune in operations and production during 2010
- Officer in Tata Motors, Pune in operations and production during 2008-2010
- Engineer in Bajaj Auto Ltd, in production department during 2001-2008

**Education and Credentials**

- International Certified Trainer by Sequel and ITOL, UK. in 2017.
- Advanced diploma in L&D from Sequel and ITOL, UK. in 2018.
- Post-Graduation in Business Management from Symbiosis in 2017.
- Diploma in Mechanical Engineering from Govt. Polytechnic, Solapur in 2001

**Note:**

Certificate will be only issued to the participants upon successfully completion of training for all four days. University will not entertain anyone in any case for any institute related or personal work during the period of FDP.

Should you have any query, kindly write us on: [design@gtu.edu.in](mailto:design@gtu.edu.in)

Sd/-  
(I/C) Registrar, GTU